

Amendments to the Claims:

Claims 1-10, 13-33, 36-56, and 59-72 are pending. Claims 1-2, 4-5, 8, 10, 13-23, 24, 36, 47, 59, and 70 have been amended. Claims 11-12, 34-35, and 57-58 have been canceled. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A computer-implement method of accessing a
2 portion of ~~recorded~~ multimedia information using a paper document, the method comprising:
3 receiving ~~by a computer~~ information indicative an identifier from a of selection of
4 one or more identifiers from a first set of identifiers printed on the paper document, which
5 indexes the multimedia information;
6 determining by the computer one or more time ranges, from a plurality of time
7 ranges, which are temporally consecutive and respectively associated with a plurality of
8 consecutive portions of the multimedia information, based upon the one or more identifiers, each
9 time range having a start time and an end time; and
10 determining by the computer one or more of the portions of the ~~recorded~~
11 multimedia information corresponding to the one or more time ranges, wherein a portion of
12 ~~recorded~~ multimedia information corresponding to a time range comprises information from the
13 ~~recorded~~ multimedia information occurring between the start time and end time associated with
14 the time range;
15 receiving by the computer another identifier of selection of one or more identifiers
16 from a second set of identifier printed on the paper document;
17 determining by the computer one or more operations of the multimedia
18 information based upon the one or more identifiers selected from the second set of identifiers;
19 and

20 outputting by the computer for play on the computer or a remote computer the
21 portions of the multimedia information corresponding to the at least one time range from the one
22 or more time ranges.

1 2. (Currently Amended) The method of claim 1 wherein:
2 the ~~recorded~~ multimedia information comprises information of a first type and
3 information of a second type;
4 the one or more time ranges includes a first time range; and
5 determining by the computer portions of the ~~recorded~~ multimedia information
6 comprises determining at least one of information of the first type and information of the second
7 type from the ~~recorded~~ multimedia information occurring between the start time and end time
8 associated with the first time range.

1 3. (Original) The method of claim 2 wherein the information of the first type
2 is video information and the information of the second type is at least one of audio information
3 and closed-caption text information.

1 4. (Currently Amended) The method of claim 1 wherein:
2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier;
4 determining by the computer the one or more time ranges based upon the one or
5 more identifiers comprises determining a first time and a second time associated with the first
6 identifier; and
7 determining by the computer the portions of the ~~recorded~~ multimedia information
8 corresponding to the one or more time ranges comprises determining a portion of the ~~recorded~~
9 multimedia information occurring between the first time and second time associated with the
10 first identifier.

1 5. (Currently Amended) The method of claim 1 wherein:

2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier and a second identifier;
4 determining by the computer the one or more time ranges based upon the one or
5 more identifiers comprises:
6 determining by the computer a time associated with the first identifier; and
7 determining by the computer a time associated with the second identifier;
8 determining by the computer the portions of the ~~recorded~~ multimedia information
9 corresponding to the one or more time ranges comprises determining a portion of the ~~recorded~~
10 multimedia information occurring between the time associated with the first identifier and the
11 time associated with the second identifier.

1 6. (Original) The method of claim 5 wherein the first identifier is selected
2 after the second identifier.

1 7. (Original) The method of claim 5 wherein the first identifier is selected
2 before the second identifier.

1 8. (Currently Amended) The method of claim 1 wherein:
2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier;
4 determining by the computer the one or more time ranges based upon the one or
5 more identifiers comprises:
6 determining by the computer a time associated with the first identifier;
7 determining by the computer a first time range based upon the first
8 identifier, wherein a start time of the first time range is determined by subtracting a first amount
9 of time from the time associated with the first identifier and an end time of the first time range is
10 determined by adding a second amount of time to the time associated with the first identifier; and
11 determining by the computer the portions of the ~~recorded~~ multimedia information
12 corresponding to the one or more time ranges comprises determining a first portion of the

13 ~~recorded~~ multimedia information corresponding to the first time range, wherein the first portion
14 occurs between the start time and end time associated with the first time range.

1 9. (Original) The method of claim 8 wherein the first amount of time and the
2 second amount of time are user-configurable.

1 10. (Currently Amended) The method of claim 1 wherein:
2 the identifiers in the first set of identifiers are barcodes; and
3 receiving by the computer information indicative of selection of the one or more
4 identifiers from the first set of identifiers comprises reading at least one barcode from the paper
5 document using a barcode reader.

1 11-12. (Canceled)

1 13. (Currently Amended) The method of claim [[11]] 1 wherein performing
2 the at least one operation comprises communicating by the computer the portion of the ~~recorded~~
3 multimedia information corresponding to the at least one time range to a recipient.

1 14. (Currently Amended) The method of claim 13 wherein communicating
2 the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range
3 to the recipient comprises communicating by the computer the portion of the ~~recorded~~
4 multimedia information via an electronic mail addressed to the recipient.

1 15. (Currently Amended) The method of claim 13 wherein communicating
2 the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range
3 to the recipient comprises communicating by the computer the portion of the ~~recorded~~
4 multimedia information via facsimile.

1 16. (Currently Amended) The method of claim 11 wherein performing the at
2 least one operation comprises deleting by the computer the portion of the ~~recorded~~ multimedia

3 information corresponding to the at least one time range from the ~~recorded~~ multimedia
4 information.

1 17. (Currently Amended) The method of claim 11 wherein performing the at
2 least one operation comprises printing by the computer a representation of the portion of the
3 ~~recorded~~ multimedia information corresponding to the at least one time range on a paper medium
4 to generate a second paper document.

1 18. (Currently Amended) The method of claim 11 wherein performing the at
2 least one operation comprises storing by the computer the portion of the ~~recorded~~ multimedia
3 information corresponding to the at least one time range.

1 19. (Currently Amended) The method of claim 1 further comprising:
2 receiving by the computer information indicative of selection of one or more
3 identifiers from a second set of identifiers printed on the paper document;
4 determining by the computer one or more operations based upon the one or more
5 identifiers from the second set of identifiers; and
6 performing at least one operation from the one or more operations on portions of
7 the ~~recorded~~ multimedia information corresponding to the one or more time ranges.

1 20. (Currently Amended) The method of claim 19 wherein performing the at
2 least one operation comprises ranking by the computer the one or more time ranges based upon
3 contents of the portions of the ~~recorded~~ multimedia information corresponding to the one or
4 more time ranges.

1 21. (Currently Amended) The method of claim 20 wherein ranking the one or
2 more time ranges comprises:
3 for each time range in the one or more time ranges, determining by the computer
4 relevance of the portion of the ~~recorded~~ multimedia information corresponding to the time range
5 to a user-specified criterion; and

6 ranking by the computer the one or more time ranges based upon the relevance of
7 the portions of the ~~recorded~~ multimedia information corresponding to the time ranges to the user-
8 specified criterion.

1 22. (Original) The method of claim 21 wherein the user-specified criterion
2 identifies a topic of interest.

1 23. (Currently Amended) The method of claim 19 wherein performing the at
2 least one operation comprises grouping by the computer the one or more time ranges into one or
3 more groups based upon contents of the portions of the ~~recorded~~ multimedia information
4 corresponding to the one or more time ranges.

1 24. (Currently Amended) A system comprising:
2 at least one processor;
3 a memory operatively coupled to the processor, the memory storing program
4 instructions that when executed by the processor, cause the processor to:
5 receive ~~information indicative an identifier from a~~ of selection of one or
6 more identifiers from a first set of identifiers printed on the paper document, which
7 indexes the multimedia information;
8 determine one or more time ranges, from a plurality of time ranges, which
9 are temporally consecutive and respectively associated with a plurality of consecutive
10 portions of the multimedia information, based upon the one or more identifiers, each time
11 range having a start time and an end time; and
12 determine one or more of the portions of the ~~recorded~~ multimedia
13 information corresponding to the one or more time ranges, wherein a portion of ~~recorded~~
14 multimedia information corresponding to a time range comprises information from the
15 ~~recorded~~ multimedia information occurring between the start time and end time
16 associated with the time range;

17 receive another identifier of selection of one or more identifiers from a
18 second set of identifiers printed on the paper document;
19 determine one or more operations of the multimedia information based
20 upon the one or more identifiers selected from the second set of identifiers; and
21 output for play on the computer or a remote computer the portions of the
22 multimedia information corresponding to the at least one time range from the one or more
23 time ranges.

1 25. (Currently Amended) The system of claim 24 wherein:
2 the ~~recorded~~ multimedia information comprises information of a first type and
3 information of a second type;
4 the one or more time ranges includes a first time range; and
5 the program instructions when executed by the processor, cause the processor to
6 determine at least one of information of the first type and information of the second type from
7 the ~~recorded~~ multimedia information occurring between the start time and end time associated
8 with the first time range.

1 26. (Original) The system of claim 25 wherein the information of the first
2 type is video information and the information of the second type is at least one of audio
3 information and closed-caption text information.

1 27. (Currently Amended) The system of claim 24 wherein:
2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier; and
4 the program instructions when executed by the processor, cause the processor to:
5 determine a first time and a second time associated with the first identifier, and determine a
6 portion of the ~~recorded~~ multimedia information occurring between the first time and second time
7 associated with the first identifier.

1 28. (Currently Amended) The system of claim 24 wherein:

2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier and a second identifier; and
4 the program instructions when executed by the processor, cause the processor to:
5 determine a time associated with the first identifier, determining a time associated with the
6 second identifier, and determine a portion of the ~~recorded~~ multimedia information occurring
7 between the time associated with the first identifier and the time associated with the second
8 identifier.

1 29. (Original) The system of claim 28 wherein the first identifier is selected
2 after the second identifier.

1 30. (Original) The system of claim 28 wherein the first identifier is selected
2 before the second identifier.

1 31. (Currently Amended) The system of claim 24 wherein:
2 the one or more identifiers selected from the first set of identifiers comprise a first
3 identifier;
4 the program instructions when executed by the processor, cause the processor to:
5 determine a time associated with the first identifier, determine a first time range based upon the
6 first identifier, wherein a start time of the first time range is determined by subtracting a first
7 amount of time from the time associated with the first identifier and an end time of the first time
8 range is determined by adding a second amount of time to the time associated with the first
9 identifier, and determine a first portion of the ~~recorded~~ multimedia information corresponding to
10 the first time range, wherein the first portion occurs between the start time and end time
11 associated with the first time range.

1 32. (Original) The system of claim 31 wherein the first amount of time and
2 the second amount of time are user-configurable.

1 33. (Original) The system of claim 24 further comprising:

2 a barcode reader configured to read the one or more identifiers from the first set
3 of identifiers from the paper document.

1 34-35. (Canceled)

1 36. (Currently Amended) The system of claim [[34]] 24 wherein the program
2 instructions when executed by the processor, cause the processor to communicate the portion of
3 the ~~recorded~~ multimedia information corresponding to the at least one time range to a recipient.

1 37. (Currently Amended) The system of claim 36 wherein the program
2 instructions when executed by the processor, cause the processor to send the portion of the
3 ~~recorded~~ multimedia information to the recipient via an electronic mail.

1 38. (Currently Amended) The system of claim 36 wherein the program
2 instructions when executed by the processor, cause the processor to communicate the portion of
3 the ~~recorded~~ multimedia information via facsimile.

1 39. (Currently Amended) The system of claim 34 wherein the program
2 instructions when executed by the processor, cause the processor to delete the portion of the
3 ~~recorded~~ multimedia information corresponding to the at least one time range from the ~~recorded~~
4 multimedia information.

1 40. (Currently Amended) The system of claim 34 wherein the program
2 instructions when executed by the processor, cause the processor to print a representation of the
3 portion of the ~~recorded~~ multimedia information corresponding to the at least one time range on a
4 paper medium to generate a second paper document.

1 41. (Currently Amended) The system of claim 34 wherein the program
2 instructions when executed by the processor, cause the processor to store the portion of the
3 ~~recorded~~ multimedia information corresponding to the at least one time range.

1 42. (Currently Amended) The system of claim 24 wherein the program
2 instructions when executed by the processor, cause the processor to: receive information
3 indicative of selection of one or more identifiers from a second set of identifiers printed on the
4 paper document, determine one or more operations based upon the one or more identifiers from
5 the second set of identifiers, and perform at least one operation from the one or more operations
6 on portions of the ~~recorded~~ multimedia information corresponding to the one or more time
7 ranges.

1 43. (Currently Amended) The system of claim 42 wherein the program
2 instructions when executed by the processor, cause the processor to rank the one or more time
3 ranges based upon contents of the portions of the ~~recorded~~ multimedia information
4 corresponding to the one or more time ranges.

1 44. (Currently Amended) The system of claim 43 wherein the program
2 instructions when executed by the processor, cause the processor to: for each time range in the
3 one or more time ranges, determine relevance of the portion of the ~~recorded~~ multimedia
4 information corresponding to the time range to a user-specified criterion, and rank the one or
5 more time ranges based upon the relevance of the portions of the ~~recorded~~ multimedia
6 information corresponding to the time ranges to the user-specified criterion.

1 45. (Original) The system of claim 44 wherein the user-specified criterion
2 identifies a topic of interest.

1 46. (Currently Amended) The system of claim 42 wherein the program
2 instructions when executed by the processor, cause the processor to group the one or more time
3 ranges into one or more groups based upon contents of the portions of the ~~recorded~~ multimedia
4 information corresponding to the one or more time ranges.

1 47. (Currently Amended) A computer program product for accessing a
2 portion of ~~recorded~~ multimedia information using a paper document, the computer program
3 product comprising:

4 a computer-readable storage medium having stored thereon computer program
5 code, the computer program code comprising:

6 code for receiving by a computer ~~information indicative an identifier from~~
7 ~~a of~~ selection of one or more identifiers from a first set of identifiers printed on the paper
8 document, which indexes the multimedia information;

9 code for determining by the computer one or more time ranges, from a
10 plurality of time ranges, which are temporally consecutive and respectively associated
11 with a plurality of consecutive portions of the multimedia information, based upon the
12 one or more identifiers, each time range having a start time and an end time; and

13 code for determining by the computer one or more of the portions of the
14 ~~recorded~~ multimedia information corresponding to the one or more time ranges, wherein
15 a portion of ~~recorded~~ multimedia information corresponding to a time range comprises
16 information from the ~~recorded~~ multimedia information occurring between the start time
17 and end time associated with the time range;

18 code for receiving by the computer another identifier of selection of one or
19 more identifiers from a second set of identifiers printed on the paper document;

20 code for determining by the computer one or more operations of the
21 multimedia information based upon the one or more identifiers selected from the second
22 set of identifiers; and

23 code for outputting by the computer for play on the computer or a remote
24 computer the portions of the multimedia information corresponding to the at least one
25 time range from the one or more time ranges.

1 48. (Currently Amended) The computer program product of claim 47
2 wherein:

3 the ~~recorded~~ multimedia information comprises information of a first type and
4 information of a second type;
5 the one or more time ranges includes a first time range; and
6 the code for determining portions of the ~~recorded~~ multimedia information
7 comprises code for determining at least one of information of the first type and information of
8 the second type from the ~~recorded~~ multimedia information occurring between the start time and
9 end time associated with the first time range.

1 49. (Original) The computer program product of claim 48 wherein the
2 information of the first type is video information and the information of the second type is at
3 least one of audio information and closed-caption text information.

1 50. (Currently Amended) The computer program product of claim 47
2 wherein:
3 the one or more identifiers selected from the first set of identifiers comprise a first
4 identifier;
5 the code for determining the one or more time ranges based upon the one or more
6 identifiers comprises code for determining a first time and a second time associated with the first
7 identifier; and
8 the code for determining the portions of the ~~recorded~~ multimedia information
9 corresponding to the one or more time ranges comprises code for determining a portion of the
10 ~~recorded~~ multimedia information occurring between the first time and second time associated
11 with the first identifier.

1 51. (Currently Amended) The computer program product of claim 47
2 wherein:
3 the one or more identifiers selected from the first set of identifiers comprise a first
4 identifier and a second identifier;

the code for determining the one or more time ranges based upon the one or more identifiers comprises:

code for determining a time associated with the first identifier; and

code for determining a time associated with the second identifier;

the code for determining the portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges comprises code for determining a portion of the ~~recorded~~ multimedia information occurring between the time associated with the first identifier and the time associated with the second identifier.

52. (Original) The computer program product of claim 51 wherein the first identifier is selected after the second identifier.

53. (Original) The computer program product of claim 51 wherein the first identifier is selected before the second identifier.

54. (Currently Amended) The computer program product of claim 47 wherein:

the one or more identifiers selected from the first set of identifiers comprise a first identifier;

the code for determining the one or more time ranges based upon the one or more identifiers comprises:

code for determining a time associated with the first identifier;

code for determining a first time range based upon the first identifier,

wherein a start time of the first time range is determined by subtracting a first amount of time

from the time associated with the first identifier and an end time of the first time range is

determined by adding a second amount of time to the time associated with the first identifier; and

the code for determining the portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges comprises code for determining a first portion of

14 the ~~recorded~~ multimedia information corresponding to the first time range, wherein the first
15 portion occurs between the start time and end time associated with the first time range.

1 55. (Original) The computer program product of claim 54 wherein the first
2 amount of time and the second amount of time are user-configurable.

1 56. (Original) The computer program product of claim 47 wherein:
2 the identifiers in the first set of identifiers are barcodes; and
3 the code for receiving information indicative of selection of the one or more
4 identifiers from the first set of identifiers comprises code for reading at least one barcode from
5 the paper document using a barcode reader.

1 57-58. (Canceled)

1 59. (Currently Amended) The computer program product of claim [[57]] 47
2 wherein the code for performing the at least one operation comprises code for communicating
3 the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range
4 to a recipient.

1 60. (Currently Amended) The computer program product of claim 59 wherein
2 the code for communicating the portion of the ~~recorded~~ multimedia information corresponding to
3 the at least one time range to the recipient comprises code for communicating the portion of the
4 ~~recorded~~ multimedia information via an electronic mail addressed to the recipient.

1 61. (Currently Amended) The computer program product of claim 59 wherein
2 the code for communicating the portion of the ~~recorded~~ multimedia information corresponding to
3 the at least one time range to the recipient comprises code for communicating the portion of the
4 ~~recorded~~ multimedia information via facsimile.

1 62. (Currently Amended) The computer program product of claim 57 wherein
2 the code for performing the at least one operation comprises code for deleting the portion of the

3 ~~recorded~~ multimedia information corresponding to the at least one time range from the ~~recorded~~
4 multimedia information.

1 63. (Currently Amended) The computer program product of claim 57 wherein
2 the code for performing the at least one operation comprises code for printing a representation of
3 the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range
4 on a paper medium to generate a second paper document.

1 64. (Currently Amended) The computer program product of claim 57 wherein
2 the code for performing the at least one operation comprises code for storing the portion of the
3 ~~recorded~~ multimedia information corresponding to the at least one time range.

1 65. (Currently Amended) The computer program product of claim 47 further
2 comprising:
3 code for receiving information indicative of selection of one or more identifiers
4 from a second set of identifiers printed on the paper document;
5 code for determining one or more operations based upon the one or more
6 identifiers from the second set of identifiers; and
7 code for performing at least one operation from the one or more operations on
8 portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges.

1 66. (Currently Amended) The computer program product of claim 65 wherein
2 the code for performing the at least one operation comprises code for ranking the one or more
3 time ranges based upon contents of the portions of the ~~recorded~~ multimedia information
4 corresponding to the one or more time ranges.

1 67. (Currently Amended) The computer program product of claim 66 wherein
2 the code for ranking the one or more time ranges comprises:

code for determining, for each time range in the one or more time ranges, relevance of the portion of the ~~recorded~~ multimedia information corresponding to the time range to a user-specified criterion; and

code for ranking the one or more time ranges based upon the relevance of the portions of the ~~recorded~~ multimedia information corresponding to the time ranges to the user-specified criterion.

68. (Original) The computer program product of claim 67 wherein the user-specified criterion identifies a topic of interest.

69. (Currently Amended) The computer program product of claim 65 wherein the code for performing the at least one operation comprises code for grouping the one or more time ranges into one or more groups based upon contents of the portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges.

70. (Currently Amended) The method of claim 1 further comprising: displaying on a user device at least one of the portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges.

71. (Previously Presented) The system of claim 24 wherein at least one of the portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges are displayed.

- 1 72. (Previously Presented) The computer program product of claim 47 further
2 comprising:
3 code for displaying at least one of the portions of the ~~recorded~~ multimedia
4 information corresponding to the one or more time ranges.